

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [20538] 38S 1n4004 Varicap:
Message-ID: <3.0.32.19970530104548.00c94314@okc.oklahoma.net>

I am building my second 38S & notice a strange (to me) phenomenon. I first noticed that when I passed a hand, head, whatever, near the board, sitting on the desk, receiving a signal, that the freq of the received sig would change slightly, perhaps 50/100 cycles. I shrugged it off as "hand capacitance", and paid it no mind, for a while. A closer check of what is really occurring reveals that D-3, the varicap is sensitive to light. I can hold my hand 2 to 3 feet away from the circuit board, with received signal going and by moving just a finger very slightly to cause a shadow to fall on the varicap (makes no dif if shadow is from a light bulb or sunlight from the window), the pitch of the received signal will change about 50 to 100 cycles. My first 38S is working superbly (well semi superbly, as still no filter or audio mods), and does NOT exhibit this sensitivity to light. Anybody else seen this, or seen the 1n4004 diodes exhibit this sensitivity to light in other applications? "72"

Dub WA5YFY
J. W. (Dub) Thornton
QRP-1 # 159
ARCI #6982
NW QRP # 427
Minco, Okla. 73059

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Steve Miller <kg7pv@teleport.com>
Subject: [20519] 38s thump and tuning
Message-ID: <3.0.1.32.19970530071640.0068e074@mail.teleport.com>

Hi all,
Had the opportunity to check the tuning on my two 38S's on a scope yesterday thanks to Paul WA7MIG. What fun to check my alignment which was based on sidetone and swr (per Bill Jones). The good news is that the rigs were very close! The rig with the Tick keyer mod was just a tad off (but that rig has been through the hell of a failed pwr supply regulator and back) while the no-tick rig was right on. Both rigs have the 5 watt mod with adjustable bias. The tuning is very obvious on a scope. I recommend using one if you can.

A follow up to my post in February on thump. First, the posts by Dan N7IVR are must reading. I originally used a mod from QST (on another rig using the 5532) by putting back to back diodes across pins 7/8 of the 5532. This

cut my thump by 50% or so. 7/8 are the input-output of section A. I tried putting another set of diodes across the input-output of section B (pins 1/2). This cut my thump down to a very minimal "tick" which is not bothersome at all. There was no noticeable change in the audio performance but I assume this will act as a further "AGC" in limiting the 5532 on very loud sigs. Might be worth it considering the fine performance of this receiver. Especially since it involves much less surgery to the board than other thump cures.

Try this and let me know how it works for you. If one of the more electronically literate (than me) members of the group would like to comment on the pros/cons of adding a second set of diodes to the rigs performance I would be gratefull! 73.

Steve Miller kg7pv @ teleport.com Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [20551] 50/40/30 Diplomatic Crisis
Message-ID: <199705302248.RAA17883@multi13.netcomi.com>

First, an apology. I have been overwhelmed at work for the last few weeks and have had little time to pay attention to the truly important things, namely QRP and the 50/40/30 activity. So please accept my apology for letting the scheduling and notices slip.

We are about to experience a diplomatic crisis.

So far, many noble volunteers have stepped forward to represent their states in the "Fifty States on Forty and Thirty Meters" activity. However, there are still quite a few states which have failed to send their ambassadors to the diplomatic conferences. Along the halls of some of the embassies has been heard ugly talk of invading neighboring states with armies of DXpeditioners. We cannot let this descent into anarchy prevail. The call must go out again to all those states which have not yet responded. We need your patriotic representative to step forward and join the WAS discussions. Please help avert a dreadful diplomatic crisis.

The following states have not committed a statesman (or woman) to a date for 50/40/30:

CA (you've got to be kidding -- even TX came up with at least six volunteers!)

CT

GA

ID

IL

KS

KY

LA

NE

NV

NH

NC

SD

UT

WA

WI

WY

Please present your credentials to

Mike K1MG

mgipe@reliablemeters.com

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [20547] 50/40/30 schedule

Message-ID: <199705302233.RAA17372@multi13.netcomi.com>

Sorry for the late notice folks.

The schedule for next weeks 50/40/30 activity is

Tuesday, June 3: MO, Mac, KR0I

Thursday, June 5: PA, Martin, NR3Z

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997

From: "Marshall Emm" <mgemm@mtechnologies.com>

Subject: [20535] 73 Special Offer for QRP-L Ends TOMORROW
Message-ID: <199705301822.MAA09234@lynx.csn.net>

The special subscription rate for 73 Magazine, offered exclusively to QRP-L members, ends TOMORROW, 5/31/97.

Normal subscription rate is \$24.95, but if you call them (their dime) and mention the QRP-L special, you can subscribe for \$19.97. The phone number is 800-274-7373.

I have no connection with 73 apart from writing the odd article and occasional advertizing.

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Marcus Leatham" <leatham@nortel.ca>
Subject: [20488] Another 38S Lives!!!
Message-ID: <199705300208.WAA63099@nss2.CC.Lehigh.EDU>

Group:

My 38S is now in a box and ready to go. I answered a couple of CQs but got no response. I'll be trying again.

My 38S had two glitches:

- 1) Single peak on TC1 - removed 2 turns on T1 to fix.
- 2) Nonlinear tuning on 100K pot - put in a voltage divider to drive the top of the 100K pot with 2V instead of 8V. This stretched out the tuning but chopped off some high freq coverage. It's a simple fix and I'm left with 10.105 - 10.118 MHz which is OK for me. It used to go up to 10.129 MHz. I'd love to get the details of the resistor/diode fix somebody mentioned (e-mail KR5N@amsat.org direct if you have that info handy for me since I can't look at websites).

It was a fun kit to build. Thanks, NORCAL.
Thanks in advance to any who may send info.

Marcus KR5N

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Michael Vines <mvines@pacbell.net>
Subject: [20489] Articles
Message-ID: <2.2.16.19970529190943.1ce77c2e@pacbell.net>

Anyone know where I can get a copy of the following articles?

- * Jan 92, 73 - Improved Crystal Tester w/Power Supply
- * ARRL Handbook (92-94), Chapter 34, Fig. 60, Marker Generator
- * VE3DNL's Crystal Controlled Marker Generator (4060 IC)

Tnx,

Mike, N6HVP

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [20533] CQC Field Day Plans
Message-ID: <199705301652.KAA08081@lynx.csn.net>

CQC field day info including a site map and antenna layout is now
available on the web site--
<http://www.mtechnologies.com/mthome/cqcbb.htm>

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [20534] DXing aid
Message-ID: <Pine.3.89.9705301212.B5252-01000000@w3eax.umd.edu>

For those interested, I've just seen the OH2BUA Webcluster...jeez...

averaging something like 2 DX spots/minute from around the world. So now
I see that a 9J2 is working stateside stations on 18.076, so I run out to

the car and can't hear him :(

and most of the time, I'm working working, and can't get outside at all...it'd be better not to know...or would it?

<http://www.clinet.fi/~jukka/webcluster.html>

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** Gimme a hamfest, I'm there *

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Jeff M. Gold" <jmg@tntech.edu>
Subject: [20528] EMTECH kit
Message-ID: <338ECDB7.1889@tntech.edu>

Well I finally unpacked my Emtech 40 meter kit. I had previously built the Dan's version for 20 meters. It was one of the best working qrp rigs I have ever built. It didn't have the variable bandwidth, but did have the rit and audio filter.

The Emtech version seems much better. I got the case, the audio filter with it. The case is nicely done and comes with all related parts, think I even saw the plugs for every jack.

The PCB is up there at the very top of the list of kits. It is VERY well silk screened and wouldn't think there will be any problems deciding where parts go. Plated thru, solder masked board.

What I really liked was the parts for each section of the radio (RIT, Keyer, VFO) are seperately packed and labeled. You build a section and then test it. .love this method. the directions looked like they will be very easy to follow. There is a couple of pages on trouble shooting and charts with the resistances and voltages.

I am really looking forward to building this.. right now I could sure use the therapy

72
Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997

From: "Bob Duckworth" <wb4mnf@atl.org> (by way of Scott Bauer <ke3nv@erols.com>)
Subject: [20497] Enough phone debris already!
Message-ID: <199705300322.XAA30710@smtp3.erols.com>

I agree. Also, no more Dayton threads either please.

telecom newsgroups have already beat this horse into fertilizer.

I've some power MOSFETs suitable for that class 'E' amp project. \$20/two. (one for PS and one for TX).
10 amp channel current, 800volt max drain.
I've run as straight amp on 80m.
-bob

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [20499] From the Wilderness: Orders placed at Dayton have all shipped
Message-ID: <199705300332.UAA20883@smtp.well.com>

Relay from Bob Dyer at Wilderness Radio:

With the exception of SST orders, which are waiting for me to finish the manual (by early next week!), all of the orders placed at Dayton have been shipped. On behalf of Bob, thanks for your support, and have fun!

By the way, Bob assures me that he will be wading onto the internet officially in a week or two, so you'll be able to e-mail him directly.

73,
Wayne
N6KR

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: James Parsons <k5rov@worldnet.att.net>
Subject: [20520] FS: Heathkit HW-8 Transceiver

Message-ID: <338EE870.14B4@worldnet.att.net>

I have a nice Heathkit HW-8 for sale.

The HW-8 was -not- built by me, so I cannot swear that there were no mods. But, I cannot find evidence of any. I have used it to work the world, using a TA-33 at 50 feet on 20 meters. But mainly it was used for rag-chewing on 40 meters, using a dipole at 50 feet. I have been a ham for 56 years, and prefer rag-chewing with old friends.

The case is in good condition, no dents or dings, but there are a couple of edges where the paint is gone, but not very noticable. No mods to the case except the back panel where a new DC connector has been installed in place of the old plastic plug. The jacks can be bought at Radio Shack. Also, a 1/8 inch headset jack has been placed besides the 1/4 inch jack, for the new headphones.

I am going to ask 125 dollars for it. I have seen them cheaper, depending on condition, but that seems to be the average price. Also, it will cost about 7 dollars to ship it. I am including an original schematic, but a -copy- of the manual, -not- including the wiring directions; it is already wired. All alignment instructions, etc., are included. I prefer to be paid by money order. Having been a ham for so many years, my history is easily available, and I have lived in my present residence, which I own, for 30 years, as shown in any callbook.

First Email wanting it gets it.

73..

Jim, K5ROV

--

James (Jim), Parsons, K5ROV USAF, Ret.

k5rov@worldnet.att.net

EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),

DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).

JOHN 3:16

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997

From: Robert Marlan <rsm@halcyon.com>

Subject: [20494] FS: Unbuilt Norcal Sierra

Message-ID: <3.0.32.19970529201959.014c7a08@mail.halcyon.com>

For Sale:

New Unbuilt Norcal Sierra Kit
Includes everything new in box.

Included separate modules for 30m and 40m.

Best Offer.

Robert Marlan
rsm@halcyon.com

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [20503] Happy Camper (I hope!)
Message-ID: <19970529.223731.9862.0.gsurrency@juno.com>

Hi gang!

I am going to the White Mountains in Eastern Arizona tomorrow, and will be operating portable / QRP from a campground near Big Lake in the Gila National Forest. This is near the Eager / Springerville area where a rather famous alien abduction is said to have occurred a few years ago. Maybe I won't be the subject of a future X-Files episode, but if I am, please send agents Scully and Mulder to investigate. (preferably agent Scully, hi).

Since it is a 5-6 hour drive from the Phoenix metro area, I hope to be QRV sometime tomorrow afternoon if all works out as planned. I have a tuner, tuned fed dipole, and QRP rigs for 80, 40, 30, and 20m, so hopefully some of you may work me during the next few days. Probably will be on 20, 30, and 40m during daylight hours, with some operation on 80m during the evenings if the antenna loads OK.

It was 105 degrees here in Phoenix today, and is supposed to hit 107 or better this weekend, so the high mountains (near 10,000 feet) will be a welcome change from the heat.

If the fishing is good, there will be less hamming and vice versa. So listen for me if you get a chance, and I hope to work some of the QRP-L members if all works out well.

Would have made a great QTTF location, but I wasn't as prepared then as I am now for the camping thing. :-)

72 for now,

Gary Surrency AB7MY
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: johnhill@freenet.edmonton.ab.ca
Subject: [20513] HELP with jittery trace on Tek 465B
Message-ID: <Pine.A41.3.95.970530063038.67192A-100000@fn2.freenet.edmonton.ab.ca>

Hi Gang,

Got a Tektronix model 465B works great except that the trace jumps up and down about 1/16 of an inch for about an hour the settles down after 4 or 5 hours of running.

I have liiked through the manual, that says that I should first check all the power supply voltages in particular the -55V and 110v (I think), this I've not been able to do due to time not avabile.

Any suggestions would be real handy, any Tektronix tech out there??

Thanks again for any help offered.

email: johnhill@freenet.edmonton.ab.ca

QRP-L #838

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [20476] How Learn ARCI #
Message-ID: <970529210639_70511.3041_IHD34-1@CompuServe.COM>

Gang:

Sometime ago I sent in my check to join ARCI. Although I have not heard directly back from them yet, I am not concerned, what with so many things intervening such as Dayton.

But I would like to learn what ARCI number has been assigned. Will be happy to

list this number in my signature block. Anyway, does anyone know of an e-mail or web address one might be able to learn this member number?

Tks in advance es 72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 mn-qrp 19 ak/qrp 139
nj-qrp 69 ARCI ??? ARRL

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| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |
|
| Bob Gobrick - N0EB & V01DRB (ex WA6ERB, VE2DRB) Stillwater, MN |
|   Internet:   rgob@tco.infonet.com |
| AND Internet:   rgobrick@worldnet.att.com |
|-----
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From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: Bill Todd <bill@techline.com>
Subject: [20537] Improvements to my Web Page
Message-ID: <1.5.4.32.19970530184038.00d96990@mail.techline.com>

Hello gang -

No, it is not the most important thing since indoor plumbing, but I have made some changes to my personal Web Page to make it a little more readable.

Theck it out if you have time.

Thanks - Bill-N7MFB

<http://www.techline.com/~bill>
NWQ #1, QRP-L #715
CUL - Bill-N7MFB
<http://www.techline.com/~bill>

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Michael St. Angelo" <mstangelo@worldnet.att.net>
Subject: [20530] Index QRP++
Message-ID: <19970530164348.AAA26100@LOCALNAME>

I am a new subscriber who caught the tail end of the thread about the problems with the QRP++ rig. I had my radio upgraded last

year and am planning to use it alot this summer, hence my concern about potential problems.

1. One theory is that the Synergy DBM mixer used in the receiver is being zipped by either:

- a strong received signal or EMP(lightning)transients or
- transmitter signal leakage as a result of faulty T/R sequencing

Has this been verified and are there any recommended mods to prevent mixer damage?

2. Are there problems with the transmitter DBM mixer?

3. Someone mentioned mods for the radio that were first published in the QRP-L journal. Which issue was this in? Is this info available on the Web?

4. What is the latest firmware version used in the QRP++?

There has been some discussion on the differences between the Synergy mixer and the SBL-1. I recall that Synergy made a DBM especially for the HF range. It has a lower conversion loss in the 1-30 MHZ range. I can't find the catalog so I don't know all the details. The catalog was a late 1980's edition. If someone has a current catalog or their Webpage we can check to see if this mixer is still available. It may be a good substitute for the Index mixer.

Any info would be appreciated.

By the way, this is a great list! I wish I knew about it sooner.

Mike St. Angelo N2MS
email: mstangelo@worldnet.att.net

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [20498] Jan 1, 2000: Ham Radio replaces phone company?
Message-ID: <199705300324.UAA19796@smtp.well.com>

Hi all,

If you've read the latest Newsweek cover story, you may have read between the lines: on Jan 1, 2000, it is likely that a LOT of international infrastrucuture is going to be off-line. It's the 2-digit date problem.

Everything from giant mainframes to tiny micros will choke on that date, and there's virtually no way enough re-coding and debugging can take place between now and then to avert a moderate level of disaster. Savvy observers are predicting that banks, the U.S. government, power companies, and up to 5% of all business in the country will be forced to shut down. I won't go into this aspect of it further, but do a quick Alta Vista search on "Y2K" and you'll get hundreds of web sites dedicated to the issue.

What's interesting to me is local, national, and international communications. If a chain-reaction of corporate and utility shut-downs takes out both wired and wireless telephony, what does that leave? For a while, there will be some communications providers who stay up on their own generators, but even that could be short-lived if fuel deliveries are shut down.

SO, how's this for a scenario: among the only communications left are solar, wind, and water-powered independent amateur radio stations! And how best to use precious energy reserves than QRP?

I'd love to hear everyone's thoughts on this issue. I have a very bad feeling about the prognosis for all that old, buggy COBOL code being updated in time, so I'm inclined to start preparing my station for the inevitable.

73,
Wayne
N6KR

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: Bob Hirsch <bobh@p3.net>
Subject: [20532] keyer puzzle
Message-ID: <3.0.1.32.19970530125616.006d9614@p3.net>

OK, YL's and OM's here's a small puzzle for you.

I want to use my Super CMOS III keyer to help me zero beat stations. That is, is there a way to setup or modify the keyer to send out a continuous 600 hertz (or whatever freq it's set to) tone through it's monitor speaker without it going to the output key jack so I can tune for the same pitch on my rig?

If necessary, putting a switch in the line from the keyer to the rig to open it up is no problem, but how do I get the continuous tone to the

monitor speaker without having to switch into "hand key mode" each time?

=====
73 de Bob, W3CW
New Hope Pennsylvania
=====
fists #2491
qrp-arci #8700
qrp-l #450
=====

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [20550] MFJ 9040 and OHR DD-1
Message-ID: <1.5.4.16.19970530174000.094f9fb6@mail.arc.net>

Okay Gurus...

I'm trying to figure out where to tap the MFJ 9040 so I can use my DD-1 digital readout. I plan to run a piece of RG-174 from the tap point to a connector on the back of the rig, as I did with my HW-8.

Has anyone done this yet, and where would I make the connection???

THANKS...

72/73

--
Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://www.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [20491] Oak Hills Research Email Listing?
Message-ID: <19970529.223439.4607.0.wb2vuo@juno.com>

First off, I have JUNO, so I can't go to a Website.

Is there an "electronic" catalog available from Oak Hill Research that I can request? I would like to see some of the specs and info on all these neat-sounding rigs everyone is talking about, and nobody in my immediate area has one that I can look at (and play with, drool on, leave fingerprints all over...)

I would like to take a "look" at something before I go to the Rochester Hamfest on Saturday...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon (4 Watts @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: John Crovelli <w2gd@hotmail.com>
Subject: [3830] P40W WPX CW QRP

Hi everyone.

This was truly an exciting contest. Who would have expected such outstanding=20
conditions on the high bands. Running QRP, it was the ideal situation since it=20
allowed me to successfully call CQ most of the time. The first 10 hours it was=20
hard to choose between 40 and 20 meters. Twenty was wide open and rates were=20
exceptional. But my game plan was to make as many contacts as possible on =40=20
and 80 so opted to suffer through most of my first night on the lower bands. =20
This proved to be the right decision and yielded nearly 300 six point contacts=20
. =20

Saturday morning (local time) 20 and 15 seemed flat. Took a second off time=20
around noon. When I returned 15M was showing signs of life and I found a clear=20
spot on 21.035. I was able to hold this frequency for nearly 6 hours with=

out=20
challenge (no small feat for QRP) running Eur and US at rates between 100 a=
nd=20
130 contacts/hour. WOW! I still don=92t believe how good conditions were =
to=20
Europe well into their night. A brief sprint on 10M even yielded a few=20
European contacts.

After about 17 hours of operating time the score was already equal to the o=
ld=20
QRP record. Based on the exceptional 20M conditions, a strategy change wa=
s=20
made and I concentrated on the high bands for the remainder of the contest,=
=20
forgoing the effort required to make 6 pointers on 40 and 80 (one can take =
not=20
being heard on the first call just so much). Rates of 80/hour were achieve=
d on=20
20M until early morning (0600Z) when my body told me to sleep. =20

In contrast, the bands were never as good the last 12 hours of the contest.=
=20
Twenty was crowded and it seemed impossible to find a clear frequency to c=
all=20
CQ, even above 14070. 15M never seemed to really open on Sunday, with onl=
y the=20
big Eur. stations being heard consistently. A lot of search and pounce was=
=20
yielding plenty of mults but not many contacts. A few hours of snooze ti=
me on=20
the beach were a welcome alternative.

Finished out the contest on 20M and managed to push the score above 4 meg. =
on a=20
strong run to US/EUR during the last hour. I still get a thrill out of wh=
at=20
can be worked with just a few watts and this contest provided lots of enjo=
yment=20
when CQs were answered by 7X, JY, JA, UA9, VK, VU, ZS, 4X, all so far away.

Special thanks to my Aruban hosts Humphrey and Corry and to Bob, WX4G/P40J,=
=20
whose help lowering, repairing, and raising the 20/40 yagi in 35+ mph winds=
was=20
invaluable. =20

Plan to return for CQWW Phone in October.

73, John W2GD/P40W
jcrovell@gbsmail.bcs.lucent.com or W2GD@hotmail.com

=20

Call: P40W Country: Aruba
Mode: WPX CW Category: SOAB/QRP

| BAND | QSO | QSO | PTS | PTS/Q | PREFIXES |
|------|-----|-----|------|-------|----------|
| 160 | 0 | 0 | 0.0 | | 0 |
| 80 | 47 | | 270 | 5.7 | 15 |
| 40 | 243 | | 1436 | 5.9 | 153 |
| 20 | 746 | | 2229 | 3.0 | 244 |
| 15 | 802 | | 2352 | 2.9 | 202 |
| 10 | 57 | | 147 | 2.6 | 19 |

Totals 1895 6434 3.4 633 =3D 4,072,722

Op Time: 32 hours

Equipment Description: =09TS930S 5 watts
=09=09=095e1 Force 12 10M Yagi at 78=92
=09=09=095e1 Force 12 15M Yagi at 85=92
=09=09=094e1 Force 12 20M Yagi at 72=92
=09=09=092e1 Force 12 40M Yagi at 72=92
=09=09=0980M inverted V at 70=92
=09=09=09650=92 beverage to Eur
=09=09=09450=92 beverage to USA

Club Affiliation: FRANKFORD RADIO CLUB

JOHN CROVELLI W2GD/P40W
1271 WASHINGTON VALLEY ROAD
BRIDGEWATER, NJ 08807

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--

FAQ on WWW: <http://www.contesting.com/3830faq.html>
Submissions: 3830@contesting.com
Administrative requests: 3830-REQUEST@contesting.com

Problems: owner-3830@contesting.com

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Jeff M. Gold" <jmg@tntech.edu>
Subject: [20529] qpr++ voltage
Message-ID: <338ECBD4.2F46@tntech.edu>

would anyone know the voltage going into the Index mixer? I only have a scope and want to check it to see if that is the problem or if the SBL-1 mixer is different from the index in some parameter that is causing the low power.

I worked Germany on 20m last night. .got a good report.. about 2 watts.. so the signal that is getting out is good.

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [20516] QRP ARCI Numbers
Message-ID: <970530085623.20210a6f@cayman.vf.mmc.com>

Gang,

The recent discussion of QRP ARCI member numbers reminded me of a complication I have noticed when sending my number in contests.

My number is relatively low, between 168 and 170, while most folks expect something with four digits. I found that if I send out only those three digits, I'm asked for repeats at least 75% of the time, even with good strong signals (the exception is when I'm working the "sharp" ops - you get to recognize them after a while).

A good solution to this was recommended by a member of this list, I honestly can't recall who. He recommended that I send four digits, for example 0169. This puts the number in the four digit pattern most folks expect and, while it takes longer to send, it's lots quicker than forced repeats.

I'm sure glad that I don't have the number one guy at Dayton said he has - # 7. On the other hand, maybe he could get away with 007 - at least that's recognizable to most of us!

Ah the joys of being an old f___!

72/73,

Joe E., N2CX

BTW, whatever you do, *don't* remember that number. That is, forget the fact that it is smaller than 170 and larger than 169. We all want honesty in these contests....

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: Stephan Greene <sgreene@washsq.com>
Subject: [20521] QRP DSP (Was Re: Re[2]: HW-8 new in box unbuilt ...How much\$\$???)
Message-ID: <Pine.LNX.3.95.970530104832.4258N-1000000@ftp.washsq.com>

On Fri, 30 May 1997, Bob Duckworth wrote:

> DSP QRP rig? New Motorola eval board looks pretty neat with
> DSP engine and 68HC11 proc in one package. I'm still trying to

There's oodles of DSP-related info and links at TAPR's web site;
www.tapr.org. There's info/links on both the TI and Motorola DSP eval
kits. FWIWW, the JPS audio DSP has an inexpensive add-on kit for rolling
your own filters.

I only know about DSP from what I've read; based on this, while DSP at
relatively high IF frequencies (say 9-10 MHz) is still pretty expensive, I
think that DSP at a low IF (455 kHz) is affordable, and audio DSP is
becoming dirt-cheap. Every PC with a sound card has an audio
DSP-equivalent up to about 40 kHz, Phil Karn has been looking at
sound-card based DSP for advanced digital satellite applications.

72 & 73 Steve KA1LM
QRP-L #232

Stephan A. Greene sgreene@washsq.com
PGP Public Key 0xB96717F5 1996/10/01 at <http://www.washsq.com/~sgreene/>

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: bengt.eriksson@taby.mail.telia.com
Subject: [20522] QRP Forum
Message-ID: <338EEE4D.264F@taby.mail.telia.com>

Sorry, receiving too much mail. Though most of it is interesting, please

take me off the subscription list for QRP Forum

Thanks

73

Bengt
SM5CCT

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "j.w. thornton" <dub@oklahoma.net>
Subject: [20546] QRPP Spring centerfold:
Message-ID: <3.0.32.19970530161301.00c96d70@okc.oklahoma.net>

Sure like the layout of the 38S in the centerfold of the Spring QRPP. The voltages are great for troubleshooting, however, note on U5B the pins 1, 2 and 3 are mislabeled as 5, 6 & 7. So easy to transpose. "72"

Dub WA5YFY
J. W. (Dub) Thornton
QRP-1 # 159
ARCI #6982
NW QRP # 427
Minco, Okla. 73059

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Brian K. Short" <ke7gh@primenet.com> (by way of "Brian K. Short" <KE7GH@PRIMENET.COM>)
Subject: [20490] QSL.Net Back Up!
Message-ID: <3.0.1.32.19970530021252.006e2180@mailhost.primenet.com>

QSL.Net Back Up!

Please check my web page:
<http://www.qsl.net/k7on>

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: ptaber@microtest.com
Subject: [20512] Re[2]: HW-8 new in box unbuilt ...How much\$\$???
Message-ID: <9705308649.AA864993793@microtest.com>

>You weren't thinking of actually BUILDING IT, were you??? If so, you
>must be stopped!

You know, when I read stuff like this I always envision a group of cavemen
carrying signs that say "Stop the Colorado River. Save the Grand Plain!"

>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: REDSBOY@aol.com
Subject: [20541] Ripoff AOL
Message-ID: <970530155550_-1531369930@emout06.mail.aol.com>

It bothers me more than a little to see such a flurry of activity among such
a nice group of people like QRPers as I am seeing referring to getting "free
money" from AOL. If a person is truly injured (literally, figuratively,
physically, or otherwise) there is nothing wrong with seeking appropriate
compensation. But to enter a class action suit to get money under the false
pretense of being injured by another party is nothing more than stealing. If
you have an honest case against AOL, go for it. But if you are just trying to
ripoff some money because it is available, you are a thief. I guess if you
are still purchasing time from AOL it indicates maybe you weren't hurt too
bad. And NO, I am not a stockholder, but I think QRP people are above false
suits.

Karl W4UTI

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [20523] Service, support, etc.,.
Message-ID: <8D8D158.00040032C1.uuout@cheaha.com>

-> I was about to tell you that I noticed that Index was still
-> advertising the QRP++ for sale in the latest issue of 73 (the one
-> with your picture on the cover no less!), so that surely must mean
-> that Index is still in business.

I had noticed the same thing and was wondering what was going on. I just got through having some warranty work done on a TM241A. Seems the bugger's receive suddenly died.....only white noise. I shipped it to the Kenwood Service East location on May 19. On May 28 it arrived back to me. Paperwork said they replaced a "surface mount capacitor" and a "holder". I haven't hooked the rig up yet, so I can't attest to it working (sure hope it does), but the turn-around time was rather quick. Looks like they must have repaired it the same day it arrived and shipped it back out the same day. Looks like good customer service, but like I said...I haven't tried it out yet. Satisfied customer for now. I just thought I'd pass it on. FWIW.

72/73

Ed Welch KF4KRV

NorCal Member #??? / 1st Grand Poobah ScQRPion of Alabama

QRP-L #873 / FISTS #2964

Luverne, Alabama : Crenshaw County - Grid EM61

PIPELINE BUNGY, Skippers Canyon, NZ

AAAAALLRRRIIIIIIGGGHHHHHTTTTTTTTT!!!!!!

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
                >   Isn't "time" a 4-letter word?   <
```

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997

From: johnhill@freenet.edmonton.ab.ca

Subject: [20515] Short wave receiver SX62

Message-ID: <Pine.A41.3.95.970530064643.75802A-100000@fn2.freenet.edmonton.ab.ca>

I know, not QRP but you guys are so knowlegable. Made for the Royal Canadian Navy, rack type mounting, completly rebuilt. What is a fair price?

Thanks guys,

email: johnhill@freenet.edmonton.ab.ca

QRP-L #838

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997

From: Chris Cartwright <ccart@dns.vidtel.com>

Subject: [20505] Spring QRPp Help!

Message-ID: <Pine.LNX.3.93.970530023922.222A-100000@dns.vidtel.com>

Without going into too much detail, I had \$19,000 worth of equipment and tools stolen from my truck this week. The zinger is they got my briefcase with my copy of the spring QRPP in it! Is there someone in the DC area that would let me make a copy of theirs? All costs covered of course, or if someone can mail me one, I'll copy it and priority mail it back.

I'm going through withdrawl, not having the SST schematic to drool over, It'll ship soon... c'mon SST... soon...

Thanks to any and all,

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV               QRP WAS 15/9 (w/c)   |       ccart@erols.com       --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #????? | http://dns.vidtel.com/~ccart
--
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --
```

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Brian K. Short" <KE7GH@primenet.com>
Subject: [20483] Summer Travel Plans?
Message-ID: <3.0.1.32.19970529224221.0069d5f0@mailhost.primenet.com>

Some time during Summer, I will be driving my pickup truck from the Phoenix area to Southern California (LAX, SDG). Presently I have payload capacity both directions for radio gear...anyone have any ideas?

Generally, planning allows me to be in S Ca during my favorite RTTY contest weekends, but this time maybe it could accidentally coincide with a large hamfest flea market there?

Can someone provide details about Summer Hamfest Schedules for S Ca since I'll be there likely a couple times (probably staying in Buena Park, again). I'm really only interested in *LARGE* events...

Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: ke3fl@juno.com (Philip Karras)
Subject: [20487] The OHR-400, It's Alive!

Message-ID: <19970529.210938.7847.0.ke3fl@juno.com>

Dick,

I experimented with the cores and eventually found places where the OSC signals looked very clean but had "funny shapes". All a bit more than 1.0 v p-p.

I then cleaned up the output with the T/R board filters and all signals are as clean as I can make them (They all look like a single trace.)

The output power is as you commented, 30/40 meter bands are very close in output power, 20 meters is lower and 80 meters is higher, about 8 Watts. when 30/40 are around 5 watts. All can be adjusted to a bit more than 5 watts.

I did the final adjustments this evening & everything is AOK! Now, I just have to find time to start making those QRP QSO's!

Thanks for all your help!

73 de KE3FL
Phil

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Kevin F. Glynn" <KFGlynn@prodigy.net>
Subject: [20500] Tnx for MFJ address
Message-ID: <199705300343.XAA75032@mail1y-int.prodigy.net>

Hi gang,

Tnx to all the folks who sent the MFJ address to me. I appreciate it.

72 Kevin N2T0

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: n4so@juno.com
Subject: [20493] UR4WWT
Message-ID: <19970529.224814.5223.3.N4S0@juno.com>

10.101 UR4WWT Roma at 0253Z
QSL via WR3L is the QSL info he is giving.

Ken Brown , N4SO
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: sarraf@thermacore.com
Subject: [20525] Varactor diodes designed for VCXOs
Message-ID: <852564A7.0057C6D9.00@tci-nt01.thermacore.com>

The May 1997 issue of Microwaves and RF magazine has a short article about a new varactor diode intended for use in VCXOs. The diode was designed with an improved voltage vs capacitance curve which the designers claim will allow fabrication of VCXOs without the use of a series inductor. The diodes have lots of interesting features, such as a 10:1 capacitance ratio and 3-5 V bias requirements. The only problems I can see with these devices are that their capacitance is low (they were designed for use at VHF), and that they are very new and likely to be either hard to get or expensive. If I am able to get some samples I will test them and report the results to the list.

Dave Sarraf
N3NDJ
Elizabethtown, PA

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: n0acs@juno.com (John R. Morris)
Subject: [20502] XTAL MATCHING FOR FILTERS
Message-ID: <19970529.232237.10623.0.N0ACS@juno.com>

Not to cause a great problem.....but if you consider using two oscillators for "zero-beat" measurement.....you will be listening to a tone which will be on one side or the other of the reference xtal freq.and you'll never know which side.....so your frequency spread of the selected xtals could be up to twice the spread you might think you have picked out.

Did I state this simply enough for understanding.....or do I need to elaborate.

The one gentlemans suggestion of measuring all of them in the same oscillator and with a frequency counter is the only way to do it.....the other reference to I think the QST article on building a little test meter to measure the actual crystal Q and derive the crystal impedance is also worth the effort. A lot of the computer xtals have very poor Q because of high internal impedance so be aware of this also.

Some where down the line I have considered the possibility of offering, for example matched sets of say 9.0 Mhz. xtals with which to construct filters. But that's in the future.

GOOD LUCK
John
PHOENIX CRYSTALS

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: Bob Patten <n4bp@shadow.net>
Subject: [20507] [3830] P40W WPX CW QRP (fwd)
Message-ID: <Pine.SOL.3.91.970530030347.18695C-1000000@hyper>

Thought John's story might be an inspiration to some of you who don't=20 subscribe to the CQ-Contest reflector. Granted, he had an excellent QTH=20 and antennas, but his effort was still a terrific feat for 5W output...

Bob Patten, N4BP
n4bp@shadow.net
Brass Pounder BBS (954) 472-7715

Plantation, FL
<http://www.shadow.net/~n4bp/n4bp.htm>

----- Forwarded message -----
From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: john andrews <jm165723@eee.org>
Subject: [20492] Re: 1/3 WL Vertical
Message-ID: <338E4084.7883@eee.org>

Cecil A Moore wrote:

>
> Seems there's interest in a 1/3WL vertical. Here's the details:
>
> About 0.2dB gain over a 1/4WL vertical
> One degree lower angle of radiation than a 1/4WL vertical
> Good match for 75 ohm coax
> Tuned with a series variable CAPACITOR at the antenna
>
> Approximate lengths
> 20m 21 ft.
> 17m 16.4 ft.

> 15m 14.1 ft.
> 12m 11.9 ft.
> 10m 10.5 ft.
>
> Note that the SLV with no coil could be modified to to satisfy
> these lengths on 17m-10m.
>
> 73, Cecil, W6RCA, 00TC

Hi Cecil:

I'm just as interested. Years ago Hy-Gain had an antenna that gave similar physical make-up called the "Hy-Gain Hytower *JUNIOR*(NO FELLAS- not the standard HyTower.) Lasted about a year- Guess folks figured they could duplicate it at a lower cost. Early 60's.

I have tried everything short of a ski-mask and shotgun to persuade someone to provide info on this antenna.

Think it would make a great project.

72, John-N5INZ

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Ed Pacyna <pacyna@auratek.com>
Subject: [20539] Re: 38S 1n4004 Varicap:
Message-ID: <3.0.16.19970530154007.35afbbea@galaxy.auratek.com>

At 01:52 PM 5/30/97 -0500, j.w. thornton wrote:

> what is really occurring reveals that D-3, the varicap is >sensitive to light.
>Anybody else seen this, or seen the 1n4004 diodes
>exhibit this sensitivity to light in other applications?

I have observed this when using gate clamping diodes on FET oscillators (especially when packaged in a translucent glass package).

Turned out using clamping diodes to provide agc/limiting has been proven the wrong thing to do anyway.

Fixed source bias will result in an oscillator that is more stable with less phase noise.

73

Ed, W1AAZ

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Zack Lau <zlau@arrl.org>
Subject: [20542] Re: 38S 1n4004 Varicap:
Message-ID: <338F3C63.D56@arrl.org>

Ed Pacyna wrote:

>
> At 01:52 PM 5/30/97 -0500, j.w. thornton wrote:
>
> > what is really occurring reveals that D-3, the varicap is >sensitive to
> light.
> >Anybody else seen this, or seen the 1n4004 diodes
> >exhibit this sensitivity to light in other applications?
>
> I have observed this when using gate clamping diodes on FET oscillators
> (especially when packaged in a translucent glass package).
>

Most semiconductors are sensitive to light. You even see
this effect on devices in ceramic packages, like microwave FETs.

> Turned out using clamping diodes to provide agc/limiting has been proven
> the wrong thing to do anyway.
>
> Fixed source bias will result in an oscillator that is more stable with
> less phase noise.

I think some designers avoided using a fixed resistor because
typical FETs amateurs use vary too much (particularly the MPF 102)
to get reliable starting and low phase noise.

Adjusting a variable resistor to the proper output ought to
work--but has anyone developed a simple active biasing circuit
for FET oscillators? One that isn't more complicated than the
oscillator...

Zack Lau W1VT

>
> 73
>
> Ed, W1AAZ

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: James Bennett <james@research.nj.nec.com>
Subject: [20544] Re: 38S 1n4004 Varicap:
Message-ID: <Pine.sol.3.91.970530171023.9616A-100000@shakti>

For many of the folks on the list this is basic stuff, but for anyone who might be wondering.

Yes, diodes do exhibit sensitivity to light.

Light shining on a p-n junction generates an electric current.

A familiar example of this phenomenon is a solar cell which is just a diode junction exposed to light. A LED is essentially the opposite in that the electric current across the junction generates photons.

So in theory, you could tune your 38 special remotely with just a flashlight....

Isn't science great?

Have a great weekend

James Bennett

KA5DVS/2

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [20511] re: 38s dx
Message-ID: <3.0.16.19970530031957.20b70d80@som-uky.campus.mci.net>

>Of those 38S owners, anybody doing better than 36 DX contacts?

EEK! And I thought I was doing gud with 10.

...okh

Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH Web - <www.qsl.net/ka8okh>
Norcal #1985 qrp-1 #933 ars #223 amsat #11900... ZUT!

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: ptaber@microtest.com
Subject: [20536] Re:73 Special Offer for QRP-L Ends TOMORROW

Message-ID: <9705308650.AA865016962@microtest.com>

>I have no connection with 73 apart from writing the odd article and
>occasional advertizing.

The articles can't be any odder than the Publisher's comments.....

;-)

>>>==>PStJTT (KC1TD) -- a Weird Wayne watcher from 'way back.

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997

From: Dick Pascoe <Dick@kanga.demon.co.uk>

Subject: [20509] Re: Days Inn Thought

Message-ID: <GRvh3HAWGXjzEwcD@kanga.demon.co.uk>

In message <199705271449.KAA27978@newman.concentric.net>,
tgordish@concentric.net writes

>I have never been to FDI before, but this is just a thought. Wouldn't
>it be in better keeping with the QRP philosophy if a group campground was
>reserved, and everyone could stay in tents, campers, RV's and such.
>Maybe large military style GP tents could be put up for forums, meetings
>etc. This would be cheaper I am sure, and stringing up antennas would be
>much easier, something like a big QRP field day/jamboree.

What a great idea, now where did my scout group hide that 160 pound
tent? The cooker and the sleeping bag.

Must check it all out ready for next year.

Grin :-)

--

Dick Pascoe G0BPS/G0R00

Dick@kanga.demon.co.uk

<http://www.kanga.demon.co.uk>

Kanga Products

Seaview House,

Crete Road East.

ARCI DX membership person Folkestone. Kent. CT18 7EG.UK
Ham Radio Today QRP Columnist Tel / Fax 44 (0)1303 891106

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: [20486] Re: Dayton phone scam (fwd)
Message-ID: <338E2E60.2138@worldnet.att.net>

Bigbob97@aol.com wrote:

>
>
>

> In short, I would not blame the problem on DIS.

I agree. I think the pay phone scam has nothing to do with DIS.
It is part of the our legacy left by Algor, Newt, the 104th, and the
FCC.
Paradigm shift, don't you know.

I sure hated to see the last spectrum auction fail to raise enough
revenue
to pay the cost. Guess poor ol' Reed had to take the fall for that one.
Too bad! Now if fate would be so kind as to get rid of the rest of the
esq's in the FCC that would be refreshing indeed. ;-)

72/73,
Clay N4AOX

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "DANIEL DOBSON" <DAN DOBSON@msn.com>
Subject: [20485] RE: Enough phone debris already!
Message-ID: <UPMAIL11.199705300012080530@msn.com>

Hey, Here is a funny one:

In the June issue of Reader's Digest, there is an article about telegrams and
the forced conciseness of the format.

The collection of funny stories included one about Winston Churchill and
George Bernard Shaw. Shaw invited Churchill to the opening of his new play:
AM RESERVING TWO TICKETS FOR YOU FOR MY PREMIERE. COME AND BRING A FRIEND-IF
YOU HAVE ONE.

Churchill's reply: IMPOSSIBLE TO BE PRESENT FOR THE FIRST PERFORMANCE. WILL ATTEND SECOND-IF THERE IS ONE.

...ouch! Refreshing isn't it? Dan KG9KF #712

From: owner-qrp-1@Lehigh.EDU on behalf of Bob Duckworth
Sent: Thursday, May 29, 1997 11:33 AM
Subject: Enough phone debris already!

telecom newsgroups have already beat this horse into fertilizer.

I've some power MOSFETs suitable for that class 'E' amp project. \$20/two. (one for PS and one for TX).
10 amp channel current, 800volt max drain.
I've run as straight amp on 80m.
-bob

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Zack Lau <zlau@arrl.org>
Subject: [20517] Re: Epoxied mixer removal
Message-ID: <338EDB39.63F1@arrl.org>

laura halliday wrote:
>

> That you can actually break SBL-1s amazes me. In my experience
> I've found them to be tough and hard to kill.
> With transformer inputs and no high impedance points, I doubt
you can kill them with typical electrostatic discharge.
However, you can burn out the diodes with too much RF,
or fry the wires with too much DC. Mini-Circuits gives
a maximum rating of 50 mW of RF and 40 mA of IF current.

Adding a bit of IF current is nice for getting a CW carrier, but if you aren't careful you can generate a sharp spike in the waveform--I put a silicon diode in series to prevent this problem.

My latest idea is to combine both the phasing and superhet ideas. A quadrature pair of high level mixers ought to be capable of a 4 dB NF and a 29 dBm input intercept... but highly directive antennas make this

overkill on the higher UHF bands.

Zack Lau W1VT

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: James Parsons <k5rov@worldnet.att.net>
Subject: [20545] RE: FS:Heathkit HW-8 Transceiver
Message-ID: <338F4521.7704@worldnet.att.net>

I am sorry but the HW-8 has been sold. 73 to all who hve responded. I tried to answer each of you individually. I hope I didn't miss anyone.

--

James (Jim), Parsons, K5ROV USAF, Ret.
k5rov@worldnet.att.net
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [20549] RE:FSArgosy 525
Message-ID: <970530224234_70511.3041_IHD48-4@CompuServe.COM>

Gang:

Please forgive this BW. Jim is having trouble with his ISP/e-mail and has asked me to respond this way. Again...sorry.

>>>Is this rig still available ? I've been trying to send you mail for a couple of days, but our domain just "unregistered", and it's taking awhile to get back on line. Please reply to "all", will copy another account I have at a ISP.

Thanks

Jim Apple WB1DOG<<<

Jim:

Yep, I have also been trying to respond to your e-mails. At least 3 times they have come back as "undeliverable."

Sorry the rig has indeed been sold. In fact it was shipped just this morning to its new home. Thanks for your interest. Maybe we will get together on a deal another time.

72/73,

Doc/K0EVZ qrp-1 861 mn-qrp 19 norcal 2050 cqc 414 nj-qrp 69 ak-qrp 139
WAS 49/38 DXCC 41/38 Sierra Argosy HW-9 QRP++ QRP+ Explorer II
NC40a SW-30 49er 38S Schurr Paddle TNT/2 Windom

"Things should be as simple as possible, but no simpler"--A. Einstein

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: Harvey Hetland <n6mm@earthlink.net>
Subject: [20508] Re: How Learn ARCI #
Message-ID: <338EE342.45CB@earthlink.net>

In reponse to Robert J. Gobrick's (N0EB) comment on this subject:

I think there are acceptable reasons for individuals keeping a list of QRP ARCI numbers other than questionable practices such as squeezing out a couple extra QSO points in one of the QRP ARCI contests. There is the QRP ARCI awards program for working members. I am currently putting together an application for an endorsement to my 100 worked award issued in 1963. I wanted to avoid duplicating QSOs from the pre-1964 era, so I started a database for QRP ARCI numbers.

Today most of the QRP ARCI members do not exchange their numbers outside of QRP ARCI contests. This was not the case 35 years ago when nearly all QRPers were QRP ARC members (that's right NO "International" in the name then). The numbers were routinely exchanged in nearly all QSOs. Today, after a QRP ARCI contest many of the new QSOs with ARCI members are actually second or third QSOs, because membership numbers had not been exchanged during QSOs outside of an ARCI contest.

I do not use a computer for contest logging, and I think it would be counter productive time wise to check the ARCI number against a database during a contest. Nor do I do it after the contest. If Cam were to carefully check my log on those relatively rare times I submit a log I am sure he would find some miscopied ARCI numbers, and I would consider that as evidence that my database is not being used to create an advantage in a contest ... besides I do not consider myself to be a

competitive tester and I do make human errors.

The comparatively low competitive level of QRP operating and an honor system in QRP are attractions of QRP. It is a friendly operating environment. The lack of senseless, non-stop calling in the Fox hunt pileups as contrasted with the typical DX pile up is evidence of this. Please note that I consider myself a cw DXer (as well as a QRPer), but I am very critical of many of the practices I hear in DX pileups. Those who advocate an ARRL DXCC QRP endorsement will hopefully consider the impact of excessive competitiveness.

73, Harvey, N6MM QRP ARCI #51, DXCC honor(?) roll and recent returnee to the world of QRP.

Robert J. Gobrick's (N0EB) partial comments:

Now I know some qrp testers (not me of course) who keep a list of QRP ARCI numbers and calls that they accumulated from previous QRP ARCI contests just in case that had to "look" up a missed number exchange. Now we all know that QRPers are honest contest folks so no one would want to tempt them with having a list of all the QRP ARCI numbers out there (is the number over 9000?)- why one would be tempted to computerize your contest log book to do a "quick number look-up" and finish the Q even before the other qrper exchanged his/her number.

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Bob Kellogg" <ae4ic@nr.infi.net>
Subject: [20526] Re: How Learn ARCI #
Message-ID: <199705301617.MAA21351@mh004.infi.net>

Hi Harvey,

You said:

>There is the
> QRP ARCI awards program for working members. I am currently putting
> together an application for an endorsement to my 100 worked award issued
> in 1963.

Well, I didn't know that! I expect I've easily worked a few hundred ARCI members in the last 2 years. guess I'll have to get the awards chairman's address and find out how to apply for the award.

Isn't it amazing what you learn by reading this list!!

Bob Kellogg, AE4IC
Probably, not nececelery. -- Benny Hill

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [20501] Re: HW-8 new in box unbuilt ...How much\$\$???
Message-ID: <Pine.OSF.3.95.970530011917.18343C-100000@vela.acs.oakland.edu>

On Fri, 30 May 1997, Lee wrote:

> What is the value of a Heathkit HW-8 brand new never built??? The box
> has been opened everything is there but never built...

A fair price for a priceless bit of ham radio history? I doubt that's possible. I'd suggest to post the for sale bid to QRP-L and see what hell breaks out... like the TenTec MR-1 a couple weeks back. I bet it could easily pull \$400+.

73 =paul= W8KC

You weren't thinking of actually BUILDING IT, were you??? If so, you must be stopped!

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: "Paul R. Valko" <prvalko@Oakland.edu> (by way of Scott Bauer <ke3nv@erols.com>)
Subject: [20506] Re: HW-8 new in box unbuilt ...How much\$\$???
Message-ID: <199705300652.CAA10342@smtp2.erols.com>

I say BUILD IT. What good is a pile of parts in a box?? IMHO an unbuilt kit is worthless. Why have a box of parts on the shelf when you can have a classic, new HW-8 that you built with your own two hands and can enjoy every QSO that you have with it. You are nuts if you dont build it!!

I built the one I got last fall and Im gonna build the HW-9 that I just picked up this spring. If I get my hands on another Heathkit, I will build it as well.

Scott

On Fri, 30 May 1997, Lee wrote:

> What is the value of a Heathkit HW-8 brand new never built??? The box
> has been opened everything is there but never built...

A fair price for a priceless bit of ham radio history? I doubt that's possible. I'd suggest to post the for sale bid to QRP-L and see what hell breaks out... like the TenTec MR-1 a couple weeks back. I bet it could easily pull \$400+.

73 =paul= W8KC

You weren't thinking of actually BUILDING IT, were you??? If so, you must be stopped!

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: REDSBOY@aol.com
Subject: [20540] Re: Improve your CW
Message-ID: <970530155547_-128646474@emout04.mail.aol.com>

Here's another suggestion for improving your CW. . .
Forget about tying your key down. Just set the contacts VERY close, and make the contacts easy to move. Then just back your hand off somewhat and use your fingertips. You will find a the very light touch needed will allow you to send faster, and much more accurately. And it's less tiring. There is absolutely no truth to the rumor that "the harder you hit the key, the farther your signal goes." Treat your key like you would a lover. . .the soft easy touch makes it more fun, and gets you better results.

Karl W4UTI

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997
From: DYARNES@aol.com
Subject: [20484] Re: Index
Message-ID: <970529201402_1074225685@emout07.mail.aol.com>

Hi Jeff & All,

I was about to tell you that I noticed that Index was still advertising the QRP++ for sale in the latest issue of 73 (the one with your picture on the cover no less!), so that surely must mean that Index is still in business. After all, Wayne wouldn't let them advertise if that weren't the case, right? (Uh-huh! Sure!).

Glad you finally got a response.

72 de David W7AQK

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [20514] Re: Jan 1, 2000: Ham Radio replaces phone company?
Message-ID: <338ecae3.26996807@smtp.usit.net>

On Thu, 29 May 1997 20:25:13 -0800, svecbrdk@well.com
(L.Svec,W.Burdick) wrote:

>Hi all,
>
>If you've read the latest Newsweek cover story, you may have read =
between
>the lines: on Jan 1, 2000, it is likely that a LOT of international
>infrastructure is going to be off-line. It's the 2-digit date =
problem.
>Everything from giant mainframes to tiny micros will choke on that date,
>and there's virtually no way enough re-coding and debugging can take =
place
>between now and then to avert a moderate level of disaster. Savvy
>observers are predicting that banks, the U.S. government, power =
companies,
>and up to 5% of all business in the country will be forced to shut down.=
I
>won't go into this aspect of it further, but do a quick Alta Vista =
search
>on "Y2K" and you'll get hundreds of web sites dedicated to the issue.

>I'd love to hear everyone's thoughts on this issue. I have a very bad
>feeling about the prognosis for all that old, buggy COBOL code being
>updated in time, so I'm inclined to start preparing my station for the
>inevitable.

I checked my systems, and everything is fine, with one exception:

Anybody know of a y2k compliant logging package? Hyperlog isn't at this point ...

I love Hyperlog, and would look for similar functionality and display (I like that it tells me on entering a callsign and s/p/c what bands I have the s/p/c worked and confirmed, by mode).

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [20524] Re: Jan 1, 2000: Ham Radio replaces phone company?  
Message-ID: <199705301546.JAA04872@lynx.csn.net>

Hi, Marty--

>>Anybody know of a y2k compliant logging package?  
Hyperlog isn't at this point ...  
<<

M\*LOG is y2kOK.

There's a catch, of course (there always is). I get the impression that lots of people don't really understand the problem, but I guess it's no surprise since so many think that 1/1/00 is also the start of the 21st century and the new millenium [g].

Some programs, like M\*LOG, store the year as a four digit number-- but for display purposes and for ease of data entry, the first to digits are suppressed (by me, i.e. the programmer). Where does the century come from? The system date. So if the system clock says it's 2350 on 12/31/99 and you enter a date as 01/01/02 it will be stored as 01/01/1902. Once the clock rolls over to 01/01/00 the 01/01/02 date will be stored as 01/01/2002.

So there IS an area of confusion if you get to the year 2000 and need to enter old data, but the program will handle it automatically if you re-set the system date while you get the old data in, and remember to re-set the system date before working with current data.

Most PC software (including most spread sheets and database management systems) works this way.

Given the obvious complications in ham radio logging (e.g. I suspect there will be at least one "event" running over midnight 12/31/99-- Straight Key night) I will probably modify the program to allow optional display of the full four-digit year-- if only to allow users to see what's going on. Have to do that for the accounting software anyhow [g].

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997

From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>

Subject: [20495] Re: NE602's - Disappearing?

Message-ID: <3.0.32.19970529213219.00c2c7ac@postoffice.worldnet.att.net>

Hi Dana and QRP-L gang,

I agree that we need to see some more J310s and a TUF-1 mixer designs. the last couple of designs along these lines were the Oak Hill Research Spirit/Classic/ Quad Bander designs and just recently a version of that by Small Wonder Labs and the White Mountain SSB rig.

I still say what the QRP kit builders needs is a super high performance design using the rf pre-amp/static ring mixer front end - I want a high performance QRP rig kit (small) for contesting etc. The OHR Quad bander is presently my favorite "base station" rig because of that. I hinted to Dave Benson many moons back about making a CW version of his White Mountain SSB rig.

Thanks Dana for the info - 73/72 Bob N0EB

From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>

Subject: [20436] Re: NE602's - Disappearing?

Message-ID: <Roam.SIMC.2.0.6.864865271.8740.myers@bigboy>

Content-Type: text



Frank G3YCC wrote:

> I was buying some NE602AN's today and my supplier informed me that  
> production of this device has either ceased or is about to so do.  
> Apparently there is a replacement device in the offing. There are large  
> stocks of the 602's around of course, so there is unlikely to be any  
> problem getting them for a couple of years maybe - IF the information is  
> accurate. Does anyone know any more about this? Is it true - or what?

I've been hearing this rumour, too. Someone ought to directly ask  
Philips, I'll have a look at their web page.

My personal feeling about the NE602 is that the correct replacement for  
an NE602 in a receiver front end is a couple of J310s and a TUF-1 mixer,  
but that's another story ;-).

Dana K6JQ  
Dana@Source.Net

```
-----  
| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |  
|  
| Bob Gobrick - N0EB & V01DRB (ex WA6ERB, VE2DRB) Stillwater, MN |  
| Internet: rgob@tco.infonet.com |  
| AND Internet: rgobrick@worldnet.att.com |  
|-----
```

From owner-qrp-l@Lehigh.EDU Fri May 30 18:03:59 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [20504] Re: NE602's - Disappearing?  
Message-ID: <19970529.224626.9862.1.gsurrency@juno.com>

RE: RF amp followed by diode ring mixer rcvr designs.....

This design is precisely what the S&S Engineering rigs are based upon.  
Check them out if you want some high 3rd intercept figure performance,  
and a great rcvr!. I know, I have 3 S&S rigs. :-)

Just a satisfied customer..... ;-)

72,

Gary Surrency AB7MY  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [20548] Re: NE602's - Disappearing?  
Message-ID: <865030958.1026524.0@gqrpclub.demon.co.uk>

As far as mixers are concerned, I don't think the NE602 is by any means the best. The diode ring say the SBL-1 was probably the best ever. Anyone else got any views?

Frank G3YCC

QRP Web Site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: K4AHK@ix.netcom.com  
Subject: [20510] Re: QRP ARCI Member Numbers  
Message-ID: <338EA511.49A1@ix.netcom.com>

The QRP ARCI Operating Awards Program issues a certificate for working other members of the club. It is issued to any amateur for working 25 members of the QRP ARCI while those members were running a power output of 5 watts or less. Endorsements are offered for 50, 100, and every 100 thereafter. Application requires full log info with a \*list of the member numbers\* in the order of member number.

That is one reason that member numbers are not published.

You should receive a membership certificate when you join. Your membership number is on the certificate. It is also on the mailing label of your QRP Quarterly.

Bill - K4AHK

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: Zack Lau <zlau@arrl.org>  
Subject: [20543] Re: QRP ARCI Member Numbers  
Message-ID: <338F3E09.4E6F@arrl.org>

K4AHK@ix.netcom.com wrote:

>

> The QRP ARCI Operating Awards Program issues a certificate for working  
> other members of the club. It is issued to any amateur for working 25  
> members of the QRP ARCI while those members were running a power output  
> of 5 watts or less. Endorsements are offered for 50, 100, and every 100  
> thereafter. Application requires full log info with a \*list of the

According to Chuck, K5FO, endorsement stickers for 700 members  
aren't available, though I got one for 800. --Zack W1VT

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [20527] Re: QRP ARCI Numbers  
Message-ID: <Pine.SOL.3.91.970530123047.23713B-100000@hyper>

On Fri, 30 May 1997 JEVERHART@cayman.vf.mmc.com wrote:

> that it is smaller than 170 and larger than 169. We all want honesty in these  
>  
N2CX PSE RPT NR PSE RPT NR K

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| Bob Patten, N4BP                 | Plantation, FL                                                                          |
| n4bp@shadow.net                  | <a href="http://www.shadow.net/~n4bp/n4bp.htm">http://www.shadow.net/~n4bp/n4bp.htm</a> |
| Brass Pounder BBS (954) 472-7715 |                                                                                         |

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: jeverhar@camden.lmco.com  
Subject: [20531] Re: QRP ARCI Numbers  
Message-ID: <9705301648.AA20704@train11.CAMDEN.LMCO.COM>

Bob you wrote:

>On Fri, 30 May 1997 JEVERHART@cayman.vf.mmc.com wrote:  
>  
>> that it is smaller than 170 and larger than 169. We all want honesty in  
these  
>>  
>N2CX PSE RPT NR PSE RPT NR K  
>  
>Bob Patten, N4BP  
>n4bp@shadow.net  
>Brass Pounder BBS (954) 472-7715

|  |                                                                                         |
|--|-----------------------------------------------------------------------------------------|
|  | Plantation, FL                                                                          |
|  | <a href="http://www.shadow.net/~n4bp/n4bp.htm">http://www.shadow.net/~n4bp/n4bp.htm</a> |

Aw shucks, this thing won't die if I keep screwing it up. Of course what I  
\*meant\* to say

was:

"that it is smaller than 170 and larger than 168."  
^^^

The moral of the story is finish your personal e-mail \*before\* the boss starts  
looking over your shoulder so you have to hurry up and finish it!

You all behave or I'll once more start up the Friday afternoon limerick thread!

72/73,

joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri May 30 18:03:59 1997  
From: "Bob Duckworth" <wb4mnf@atl.org>  
Subject: [20518] Re: Re[2]: HW-8 new in box unbuilt ...How much\$\$???  
Message-ID: <199705301357.JAA19690@atl.org>

Personally I would frame the HW-8 parts and hang them on the wall  
over the working example so visitors could see just what's in that  
little puppy.

As to value, it's worth what a buyer and seller agree to.  
If there are enough, 'don't build it!' campers, maybe a fund  
could be established to 'save the HW-8' a cute little name  
for it might help. I remember something similar happening  
with what appeared to be a very tasty and was a very large  
lobster.

I'll be happy to steward the unassembled bits in a frame with  
glass over and put a pix up on the web. Just have to keep my  
kids away from it as they often lament, 'dad, why can't I build a  
Heathkit.' (At least it's not, 'dad, why can't I smoke marijuana')

Given the lists knowledge pool, perhaps a group effort on a  
everything you ever wanted in a QRP rig, buy it in stages, kit  
could be designed and marketed. Anybody here working on a  
DSP QRP rig? New Motorola eval board looks pretty neat with  
DSP engine and 68HC11 proc in one package. I'm still trying to  
understand oversampling. Have just about worn out Bracewell

and still feel like the proto-sapiens at the beginning of 2001.  
Maybe someone would be kind enough to write some DSP  
articles for the list. Visual/physical models for all math would help a  
lot.

Best DX here, Tuvalu to Senegal, 75m phone, 30W to a vertical.

-bob  
wb4mnf